

## **AMENDMENTS TO THE SPECIFICATION**

Please replace paragraph [0114] with the following amended paragraph:

**[0114]** Further, in this mode of embodiment, the gradient reddening stereoscopic image creator 4 includes an aboveground opening data creator 9, an underground opening data creator 10, a gradient calculator 8, a convexity-emphasized image creator 11, a concavity-emphasized image creator 12, an inclination emphasize 13, a first synthesizer 14, and a second synthesizer 15 to display 16 a stereoscopic reddish map k.

Please replace paragraph [0146] with the following amended paragraph:

**[0146]** At this time, a color data based on the third gray scale is allotted to a mesh region having a focused point (coordinate) (in the case contour lines connecting identical Z values of DEM data are meshed (e.g. 1 m) into squares, and a focused point is set to a point at any of four corners of mesh). Then, a reddening process 32 has an RGB color mode function for emphasizing R. That is, there is obtained in a file 33 a gradient-emphasized image Dr that has an emphasized red as the inclination is greater.

Please replace paragraph [0154] with the following amended paragraph:

**[0154]** On the other hand, the second synthesizer is adapted for synthesizing the gradient-emphasized image Dr in the file and the synthetic image Dh obtained by a synthesis at the first synthesizer, to have stereoscopic reddening image  $[[K_i]]$  as the map k<sub>i</sub> emphasized at the ridge in red color, for indication on the display.